

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 10-11 and 13-15 as follows.

Please add new Claims 16-18 as follows.

1. (Currently amended) An apparatus for selecting one function from~~out of~~ two functions, comprising:

a first entity having a first function, a second function, at least one detector and a function select mechanism;

a second entity having at least one of the first function and the second function;
and

an interface for connecting the first entity and second entity, the interface connected to the at least one detector;

wherein the at least one detector detects a function of the second entity when connected to the first entity, and the function select mechanism selects one function from~~out of~~ the first and second functions in the first entity in response to the detected function~~an output of the at least one detector corresponding to the detected function~~.

2. (Original) The apparatus as defined in Claim 1, wherein the first function and the second function are a host function and a device function, respectively.

3. (Original) The apparatus as defined in Claim 1, wherein the at least one detector is two detectors.

4. (Original) The apparatus as defined in Claim 1, wherein the detector includes a comparator.

5. (Original) The apparatus as defined in Claim 3, wherein the two detectors each include a comparator.

6. (Original) The apparatus as defined in Claim 1, wherein the function select mechanism includes a microprocessor.

7. (Original) The apparatus as defined in Claim 1, wherein the interface is a Universal Serial Bus.

8. (Original) The apparatus as defined in Claim 1, wherein the first entity and second entity are both a digital camera.

9. (Original) The apparatus as defined in Claim 1, wherein the first entity is a digital camera and the second entity is a printer.

10. (Currently amended) An apparatus for selecting one function from~~out of~~ two functions, comprising:

a first entity having a first function, a second function, at least one detector and a function select mechanism;

a second entity having one of the first function and the second function; and

an interface for connecting the first entity and second entity, the interface connected to the at least one detector;

wherein the at least one detector detects a function of the second entity when connected to the first entity, and the function select mechanism selects one function from~~out of~~ the first and second functions in the first entity in response to the detected function~~an output of the at least one detector corresponding to the detected function~~.

11. (Currently amended) An apparatus for selecting one function from~~out of~~ two functions, comprising:

a first entity having a first function, a second function, a detector and a function select mechanism;

a second entity having one of the first function and the second function; and

an interface for connecting the first entity and second entity, the interface connected to the detector;

wherein the detector detects a function of the second entity when connected to the first entity, and the function select mechanism selects one function from~~out of~~ the first and second functions in the first entity in response to an output the detected function of the detector~~corresponding to the detected function~~.

12. (Original) The apparatus as defined in Claim 11, wherein the function select mechanism includes a field programmable gate array or gate array.

13. (Currently amended) A method of selecting one function from~~out of~~ a first function and a second function in a first entity ~~has, and~~ with respect to a second entity, in data

communication with the first entity, that has at least one of the first and second functions, the method comprising:

activating a first power source to the first entity;
connecting the first entity to the second entity via an interface;
detecting at least one voltage on the interface by connecting a first resistor between the interface and a second power source;
determining first if the detected voltage is over a threshold;
if so, connecting a second resistor between the interface and the ground;
detecting a divided voltage derived from the second power source and a ratio of the second ~~resistance~~resistor to the second ~~resistance~~resistor plus the first ~~resistance~~resistor;
determining second if the detected divided voltage is over the threshold;
if so, selecting the first function;
if the detected voltage is not over the threshold at the first determination, deactivating the first power source;
connecting a third resistor between the interface and the second power source;
waiting for a specified packet to be sent; and
if the packet is received, selecting the second function.

14. (Currently amended) The method as defined in Claim 13, wherein ~~selecting each~~ of the first function and the second function is selecting between comprises one of a host function and a device function.

15. (Currently amended) A method of selecting one function from ~~out of~~ a first function and a second function in a first entity has, and with respect to a second entity, in data communication with the first entity, that has one of the first and second functions, the method comprising:

providing a power source to the first entity;
connecting the first entity to the second entity via an interface;
detecting a function of the second entity ~~at least one voltage on the interface; and~~
selecting one function from the first and second functions in the first entity in response to the detected function ~~determining if the detected voltage is over a threshold;~~

~~if so, selecting the first function; and~~
~~if not, selecting the second function.~~

16. (New) An apparatus for selecting one function from two functions, comprising:
a first entity having a host function, a device function, at least one detector and a function select mechanism;
a second entity having a device function; and
an interface configured to connect the first entity and second entity, the interface being connected to the at least one detector;
wherein the at least one detector is configured to detect the device function of the second entity, and the function select mechanism is configured to select the host function from the host and device functions in the first entity in response to the detected function of the at least one detector.
17. (New) An apparatus for selecting one function from two functions, comprising:
a first entity having a host function, a device function, at least one detector and a function select mechanism;
a second entity having a host function and a device function; and
an interface configured to connect the first entity and second entity, the interface being connected to the at least one detector;
wherein the at least one detector is configured to detect a function of the second entity, and the function select mechanism is configured to select one function from the first and second functions in the first entity in response to the detected function of the at least one detector.
18. (New) The apparatus of Claim 17, wherein the second entity further comprises a detector and a function select mechanism, and wherein the detector of the second entity is configured to detect a function of the first entity, and the function select mechanism of the second entity is configured to select one function from the first and second functions in the second entity in response to the detected function of the detector in the second entity.